

This circular will be sent regularly to all who apply for it.

## United States Department of Agriculture,

WASHINGTON, D. C., *June 30, 1916.*

### MONTHLY LIST OF PUBLICATIONS.

[JUNE, 1916.]

#### HOW TO SECURE PUBLICATIONS.

A copy of any of the publications listed herein, including those with price named, except the Journal of Agricultural Research, Experiment Station Record, Service and Regulatory Announcements, and publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply of the publications listed below is exhausted, those publications of which the price is indicated can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

#### FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

No price is quoted for Farmers' Bulletins for the reason that the department's supply of the current numbers is ordinarily sufficient to make it possible to send them free to all applicants.

**Measuring and Marketing Woodlot Products.** By Wilbur R. Mattoon and William B. Barrows, Forest Examiners. Pp. 48, figs. 13. Contribution from the Forest Service. June 29, 1916. (Farmers' Bulletin 715.)

Suitable for general distribution, and will be helpful to farmers in selling woodlot products.

**Management of Sandy-Land Farms in Northern Indiana and Southern Michigan.** By J. A. Drake, Agriculturist, Office of Farm Management. Pp. 28, figs. 3. Contribution from the Office of Farm Management, Office of the Secretary. June 9, 1916. (Farmers' Bulletin 716.)

This bulletin, while applying particularly to areas where sandy lands occur in southern Michigan, northern Indiana, and a part of northwestern Ohio, should prove of interest to farmers occupying sandy lands in other portions of the country not too far north to permit of maturing the crops recommended.

**Prevention of Losses of Live Stock from Plant Poisoning.** By C. Dwight Marsh, Physiologist in Poisonous-Plant Investigations, Pathological Division. Pp. 11. Contribution from the Bureau of Animal Industry. June 2, 1916. (Farmers' Bulletin 720.)

Of especial interest to western ranchers and stock raisers. Supersedes Farmers' Bulletin 536 on Stock Poisoning Due to Scarcity of Food.

**The Feeding of Grain Sorghums to Live Stock.** By George A. Scott, Scientific Assistant, Animal Husbandry Division. Pp. 15, figs. 5. Contribution from the Bureau of Animal Industry. June 7, 1916. (Farmers' Bulletin 724.)

This bulletin will be of interest to cattle feeders and farmers generally in the semiarid regions where grain sorghums do better than corn.

**Natal Grass: A Southern Perennial Hay Crop.** By S. M. Tracy, Agronomist, Forage-Crop Investigations. Pp. 16, figs. 4. Contribution from the Bureau of Plant Industry. June 8, 1916. (Farmers' Bulletin 726.)

Suitable for distribution in South Atlantic and Gulf States and southwestern California and New Mexico.

**Growing Fruit for Home Use in the Great Plains Area.** By H. P. Gould, Pomologist in Charge of Fruit-Production Investigations, Office of Horticultural and Pomological Investigations, and Oliver J. Grace, Superintendent, Akron Field Station, Dry-Land Agriculture Investigations. Pp. 40, figs. 25. Contribution from the Bureau of Plant Industry. June 30, 1916. (Farmers' Bulletin 727.)

Is intended especially for those in the Great Plains area who are interested in growing fruit for home use, but some parts of it, especially the discussion about pruning and shaping trees, are of general interest to people living in other sections of the country.

**Dewberry Culture.** By George M. Darrow, Scientific Assistant, Office of Horticultural and Pomological Investigations. Pp. 19, figs. 12. Contribution from the Bureau of Plant Industry. June 12, 1916. (*Farmers' Bulletin 728.*)  
For general distribution.

**Button Clover.** By Roland McKee, Assistant Agrostologist, Forage-Crop Investigations. Pp. 11, figs. 3. Contribution from the Bureau of Plant Industry. June 2, 1916. (*Farmers' Bulletin 730.*)  
Suitable for distribution in the South Atlantic and Gulf States and the Pacific Coast States.

**The Corn and Cotton Wireworm in Its Relation to Cereal and Forage Crops, with Control Measures.** By Edmund H. Gibson, Scientific Assistant, Cereal and Forage Insect Investigations. Pp. 8, figs. 3. Contribution from the Bureau of Entomology. June 9, 1916. (*Farmers' Bulletin 733.*)

The object of this bulletin is to set forth in a popular form what is known of the habits of the destructive corn and cotton wireworm, in order that farmers and planters may more effectively carry out control measures and be able better to handle infested areas that the injury may be reduced to a minimum.

**Flytraps and Their Operation.** By F. C. Bishop, Entomological Assistant. Pp. 14, fig. 7. Contribution from the Bureau of Entomology. June 10, 1916. (*Farmers' Bulletin 734.*)

Is intended to give directions for the use of a supplementary means of controlling flies; it is adapted to all parts of the United States.

**The Red Spider on Cotton and How to Control it.** By E. A. McGregor, Entomological Assistant, Southern Field Crop Insect Investigations. Pp. 12, figs. 10. Contribution from the Bureau of Entomology. June 12, 1916. (*Farmers' Bulletin 735.*)  
For distribution in cotton growing States.

**The Clover Leafhopper and Its Control in the Central States.** By Edmund H. Gibson, Scientific Assistant, Cereal and Forage Insect Investigations. Pp. 8, figs. 5. Contribution from the Bureau of Entomology. June 26, 1916. (*Farmers' Bulletin 737.*)

It is the purpose of this bulletin to set forth such facts as will familiarize the farmer with the various stages in the development of the clover leafhopper, its habits, and mode of attack, together with detailed information as to the control of outbreaks in alfalfa and clover fields.

**Cereal Crops in the Panhandle of Texas.** By John F. Ross, Farm Superintendent, Office of Cereal Investigations. Pp. 16, figs. 5. Contribution from the Bureau of Plant Industry. June 15, 1916. (*Farmers' Bulletin 738.*)

Of interest to farmers and prospective settlers in the Texas Panhandle country.

**Cutworms and Their Control in Corn and Other Cereal Crops.** By W. R. Walton and J. J. Davis, Entomological Assistants, Cereal and Forage Insect Investigations. Pp. 4, fig. 1. Contribution from the Bureau of Entomology. June 1, 1916. (*Farmers' Bulletin 739.*)

Suitable for general distribution.

**The White-Pine Blister Rust.** By Perley Spaulding, Pathologist, Office of Investigations in Forest Pathology. Pp. 15, pl. 1, fig. 4. Contribution from the Bureau of Plant Industry. June 9, 1916. (*Farmers' Bulletin 742.*)

Suitable for general distribution.

#### DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

**Mistletoe Injury to Conifers in the Northwest.** By James R. Weir, Forest Pathologist, Office of Investigations in Forest Pathology. Pp. 39, pls. 4, figs. 27. Contribution from the Bureau of Plant Industry. (Professional Paper.) June 17, 1916. (*Department Bulletin 360.*) Price, 15 cents.

Describes injury caused by, and methods of control of this pest.

**Carrying Capacity of Grazing Ranges in Southern Arizona.** By E. O. Wootton, Agriculturist, Office of Farm Management. Pp. 40, pls. 10, figs. 4. Contribution from the Bureau of Plant Industry. (Professional Paper.) June 23, 1916. (*Department Bulletin 367.*) Price, 15 cents.

Of interest to stock raisers and prospective settlers in southern Arizona.

#### MISCELLANEOUS.

**Report of the Hawaii Agricultural Experiment Station, 1915.** Pp. 73, pl. 9. June 23, 1916. Price, 15 cents.

**A Systematic Account of the Prairie-Dogs.** By N. Hollister, Assistant Curator of Mammals, United States National Museum. Pp. 37, pls. 7, figs. 2. June 20, 1916. (*North American Fauna No. 40.*) Price, 15 cents.

**Results of a Survey of State Marketing Activities Throughout the United States.** Pp. 7. June 5, 1916. (Document No. 3, Office of Markets and Rural Organization.)

## REPORTS.

**Meat Situation in the United States. Part 4. Utilization and Efficiency of Available American Feed Stuffs.** By W. F. Ward and S. H. Ray, Animal Husbandry Division. Pp. 27. Contribution from the Bureau of Animal Industry, Cooperating with the Bureau of Crop Estimates. June 8, 1916. (Report No. 112, Office of the Secretary.) Price, 5 cents.

NOTE.—One of five reports to be issued showing the results of various independent inquiries dealing with several phases of the meat industry, undertaken by specialists of the department, at the suggestion of a committee appointed in 1914 by the Secretary to consider the economics of the meat situation; the other four reports will be published as Reports Nos. 109, 110, 111, and 113, Office of the Secretary, and notice of their issue will appear in the monthly list.

## SERIALS.

**Journal of Agricultural Research.** (Issued weekly. For sale only.) Vol. 6, No. 10. June 5, 1916. Contents: Silver-Scurf of the Irish Potato Caused by *Spondylocidium atrovirens*. By Eugene S. Schultz.—Woolly Pear Aphid. By A. C. Baker and W. M. Davidson.—Pathological Histology of Strawberries Affected by Species of *Botrytis* and *Rhizopus*. By Neil E. Stevens.—Life Histories and Methods of Rearing Hessian-Fly Parasites. By C. M. Packard. Pp. 339–381, pls. XLV–LII, fig. 1. Price, 20 cents.

*Same*, No. 11. June 12, 1916. Contents: Effect of Röntgen Rays on the Tobacco, or Cigarette, Beetle and the Results of Experiments with a New Form of Röntgen Tube. By G. A. Runner.—Stimulating Influence of Arsenic upon the Nitrogen-Fixing Organisms of the Soil. By J. E. Greaves.—Transmission and Control of Bacterial Wilt of Cucurbits. By Frederick V. Rand and Ella M. A. Enlows. Pp. 383–434, pls. LIII–LIV, figs. 8. Price, 15 cents.

*Same*, No. 12. June 19, 1916. Contents: Correlated Characters in Maize Breeding. By G. N. Collins.—Comparative Study of the Amount of Food Eaten by Parasitized and Nonparasitized Larvæ of *Cirphis unipuncta*. By Daniel G. Tower.—Aleyrodidae, or White Flies Attacking the Orange, with Descriptions of Three New Species of Economic Importance. By A. L. Quaintance and A. C. Baker. Pp. 435–472, pls. LV–LXIX, figs. 3. Price, 25 cents.

*Same*, No. 13. June 26, 1916. Contents: Relative Water Requirement of Corn and the Sorghums. By Edwin C. Miller.—Availability of Mineral Phosphates for Plant Nutrition. By W. L. Burlison. Pp. 473–514, pls. LXX–LXXX, fig. 1. Price, 20 cents.

NOTE.—Beginning with Volume 5, The Journal of Agricultural Research will be issued weekly and distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. *It will not be sent free to individuals.* The Superintendent of Documents will receive subscriptions for this publication, the price being \$3 per year, 52 numbers.

**The Monthly Crop Report.** Vol. 2, No. 6, June, 1916. Pp. 49–60. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

## SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

These contain *only* information, instructions, and notices governing the enforcement of food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

Bureau of Animal Industry. No. 109. May, 1916. Pp. 41–48. June 17, 1916. Price, 5 cents.

Bureau of Chemistry. Supplement No. 16. [N. J. 4251–4300.] Pp. 373–425. June 13, 1916. Price, 10 cents.

Federal Horticultural Board. No. 28. May, 1916. Pp. 61–72. June 23, 1916. Price, 5 cents.

Federal Horticultural Board. Index to Service and Regulatory Announcements for 1915. Pp. 101–106. June 10, 1916. Price, 5 cents.

## SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

**Soil Survey of Turner County, Georgia.** By E. C. Hall, of the U. S. Department of Agriculture, and David D. Long, of the Georgia State College of Agriculture. Pp. 23, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.

**Soil Survey of Webster County, Iowa.** By J. O. Veatch, of the U. S. Department of Agriculture, and F. E. Howe, of the Iowa Agricultural Experiment Station. Pp. 44, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

**Soil Survey of Jessamine County, Kentucky.** By Risden T. Allen. Pp. 20, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.



- Soil Survey of Jefferson Davis County, Mississippi.** By T. M. Bushnell, in Charge, and L. Vincent Davis. Pp. 27, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.
- Soil Survey of Pettis County, Missouri.** By H. H. Krusekopf, of the University of Missouri, and R. F. Rogers, of the U. S. Department of Agriculture. Pp. 41, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.
- Soil Survey of Gage County, Nebraska.** By A. H. Meyer and R. R. Burn, of the U. S. Department of Agriculture, and N. A. Bengtson, of the Nebraska Soil Survey. Pp. 42, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.
- Soil Survey of Wake County, North Carolina.** By L. L. Brinkley, of the North Carolina Department of Agriculture, and N. M. Kirk, Risden T. Allen, and B. B. Derrick, of the U. S. Department of Agriculture. Pp. 45, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.
- Soil Survey of Geauga County, Ohio.** By Charles N. Mooney, in Charge, and H. G. Lewis, of the U. S. Department of Agriculture, and Carl W. Shifler and Oliver Gossard, of the Ohio Agricultural Experiment Station. Pp. 37, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.
- Soil Survey of Frederick County, Virginia.** By J. B. R. Dickey and W. B. Cobb. Pp. 48, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

#### PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

**Annual Report of Chief of Weather Bureau, 1914-1915.** [Administrative report, fiscal year 1915, with meteorological tables, calendar year 1914.] 1916. [4 pts.] Pp. 276, charts, 4. 4to. Price, 60 cents, cloth.

**Monthly Weather Review.** (For sale only.) Vol. 44, No. 3. March, 1916. [May 31, 1916.] Pp. 111-175, charts 9, figs. 14. Price, 25 cents a copy, \$2.50 a year. Payable to the Superintendent of Documents.

Special Articles: Solar and sky radiation measurements during March, 1916. By H. H. Kimball.—Convection in the upper regions of the sun's atmosphere. By F. Henroteau.—Seesaw between Weddell Sea and Ross Sea. By R. C. Mossman.—Atmospheric pollution in English and Scottish towns. By J. B. C. Kershaw.—Atmospheric pollution. By W. P. Wynne.—Some problems of atmospheric electricity. By G. C. Simpson.—Rainfall data of Berkeley, Cal.—By W. G. Reed.—Distribution of cyclonic precipitation. By T. Terada.—Fire-weather warnings. By H. S. Williams.—Disappearance of snow in the high Sierra Nevada of California. By A. J. Henry.—Southern Appalachian earthquake of Feb. 21, 1916. By W. J. Humphreys.—Observations of an earthquake in a telescope. By W. P. Hoge.

**National Weather and Crop Bulletin,** Nos. 12, 13, 14, 15, June, 1916, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Wednesday, April to October; monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,

*Editor and Chief Division Publications.*